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EN AT		Examiner Name	2171
and the second second	or all correspondence after initial filing)	examiner Name	Richard L. Ellis
Total Number	of Pages in This Submission	Attorney Docket Number	112056-0167
	EN	CLOSURES (Check all	that apply)
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Date	December 10, 2004	Re	eg. No. 48,836
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Date



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PATENTS 112056-0167 P01-1728

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: Shane S. Owara et al.)
) Examiner: Not Yet Assigned
Serial No.: 10/796,249)
Filed: March 9, 2004) Art Unit: 2171
For: SYSTEM AND METHOD FOR IN-	j
DEXING A BACKUP USING PER-)
SISTENT CONSISTENCY POINT)
IMAGES	•
	Cesari and McKenna, LLP
	88 Black Falcon Avenue
	Boston, MA 02210
	December 10, 2004

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

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In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicants wish to bring to the Examiner's attention the references listed on the accompanying form PTO-1449. A copy of each listed reference is enclosed.

To the extent required by 37 C.F.R. §1.98(a)(3), Applicants have described what they consider to be the relevance of any foreign-language reference. The Office may find additionally relevant material in these or other references.

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

Respectfully submitted,

Duane H. Dreger Reg. No. 48,836

CESARI AND MCKENNA, LLP

88 Black Falcon Avenue Boston, MA 02210-2414

(617) 951-2500



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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)	Examiner: Richard L. Ellis
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	88 Black Falcon Avenue
	Boston, MA 02210
	December 10, 2004
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NATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/796,249

Filing Date March 9, 2004

First Named Inventor Shane S. Owara et al.

Group Art Unit 2171

Examiner Name Richard L. Ellis

(use as many sheets as necessary)

 Sheet
 1
 of
 4
 Attorney Docket Number
 112056-0167

				U.S. PATENT DOCUMEN	TS		
Examiner Initials *	Cite No.1	U.S. Patent Document Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		10/126,822		FEDERWISCH et al.		U.S. Patent Application filed April 19, 2002 entitled SYSTEM AND METHOD FOR CHECKPOINTING AND RESTARTING AN ASYNCHRONOUS TRANSFER OF DATA BETWEEN A SOURCE AND DESTINATION SNAPSHOT	
		10/777,978		STEPHEN L. MANLEY		U.S. Patent Application filed February 12, 2004 entitled SYSTEM-INDEPENDENT DATA FORMAT IN A MIRRORED STORAGE SYSTEM ENVIRONMENT AND METHOD FOR USING THE SAME	
		US2002/008 3037	A1	LEWIS et al.	06-27-2002	<u>- </u>	
		US2001/004 4807	A1	KLEIMAN et al.	11-22-2001		
		US2003/018 2313	A1	FEDERWISCH et al.	09-25-2003		
		US2004/003 0822	A1	RAJAN et al.	02-12-2004		
		US2002/017 5938	A1	HACKWORTH	11-28-2002		
		US2003/018 2325	A1	MANLEY et al.	09-25-2003		
		US2002/011 2022	A1	KAZAR et al.	08-15-2002		
		US2002/011 6593	A1	KAZAR et al.	08-22-2002	·····	
		US2003/018 2322	A1	MANLEY et al.	09-25-2003		
		US2003/018 2312	A1	CHEN et al.	09-25-2003		
		US2003/018 2330	A1	MANLEY et al.	09-25-2003		
		6,574,591	B1	KLEIMAN et al.	06-03-2003		

				FOREIGN	PATENT DOCU	MENTS	-	
5		Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	
Examine r Initials*	Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (<i>if known</i>)	Applicant of Cited Document	Cited Document MM- DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Tg
		WO	2004/01552 1	А3	PAWLOWSKI et al.	02-19-2004		

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Sheet 2 of 4

	Complete if Known	
Application Number	10/796,249	
Filing Date	March 9, 2004	
First Named Inventor	Shane S. Owara et al.	
Group Art Unit	2171	
Examiner Name	Richard L. Ellis	
Attorney Docket Number	112056-0167	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials *	Cite No.1	Number	ocument d Code ² known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,163,131		ROW et al.	11-10-1992	
		5,355,453		ROW et al.	10-11-1994	
		5,485,579		HITZ et al.	01-16-1996	
		5,802,366		ROW et al.	09-01-1998	
		5,931,918		ROW et al.	08-03-1999	
		5,941,972		HOESE et al.	08-24-1999	
		6,065,037		HITZ et al.	05-16-2000	
		6,425,035	В2	HOESE et al.	07-23-2002	
		5,511,177		KAGIMASA et al.	04-23-1996	
		5,897,661		BARANOVSKY et al.	04-27-1999	
		6,185,655	B1	PEPING	02-06-2001	
		6,606,690	B2	PADOVANO	08-12-2003	
		5,819,292		HITZ et al.	10-06-1998	
		5,948,110		HITZ et al.	09-07-1999	
		5,963,962		HITZ et al.	10-05-1999	
		6,038,570		HITZ et al.	03-14-2000	
		6,119,244		SCHOENTHAL et al.	09-12-2000	
		6,138,126		HITZ et al.	10-24-2000	
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	FOREIGN PATENT DOCUMENTS							
Examine City No. 1		Fo	oreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	
r Initials*	Cite No.1	Office ³	Number ⁴	Kind Code ⁵ (<i>if known</i>)	Applicant of Cited Document	Cited Document MM- DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Тв
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INIEC	\D 84 A T1/	ON DIC	CLOCUDE	Application Number	10/796,249
			CLOSURE	Filing Date	March 9, 2004
SIA	STATEMENT BY APPLICANT		First Named Inventor	Shane S. Owara et al.	
				Group Art Unit	2171
	(use as man	y sheets as	necessary)	Examiner Name	Richard L. Ellis
Sheet	3	of	4	Attorney Docket Number	112056-0167

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"NETWORK APPLIANCE ENDS NAS/SAN WAR" by COMPUTERWIRE, http://www.theregister.co.uk/content/63/27368.html; posted on February 10, 2002	
		CALLAGHAN B. "NFS Version 3 Protocol Specification", Request for Comments (RFC) 1813 June 1995	
		LU, Y. "Performance Study of iSCSI-Based Storage Subsystems", IEEE Communications Magazine, pp. 76-82, August 2003	
		Celerra File Server Architecture for High Availability, EMC2 where information lives, August 1999, pp. 1-7.	
		International Search Report for International Application No. PCT/US03/23661 filed on July 28, 2003, three pages, International Search Report mailed March 9, 2004.	
		Maintenance Procedures ND (8C) nd-network disk control February 1985	
		Misc. Reference Manual Pages ND (4P) nd-network disk driver 26 July 1985	
		Asante EN/SC Adapter Family Installation Guide May 1994	
		Asante Desktop EN/SC Adapters User's Manual April 1996	
		Performance Without Compromise: The Virtual Storage Architecture 1997	
		DAVID HITZ et al. TR3002 File System Design for a NFS File Server Appliance published by Network Appliance, Inc.	

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INFORMATION DISCLOSURE	Application Number	10/796,249		
INFORMATION DISCLOSURE	Filing Date	March 9, 2004		
STATEMENT BY APPLICANT	First Named Inventor	Shane S. Owara et al.		
	Group Art Unit	2171		
(use as many sheets as necessary)	Examiner Name	Richard L. Ellis		
Sheet 4 of 4	Attorney Docket Number	112056-0167		

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		Common Internet File System (CIFS) Version: CIFS-Spec 0.9, Storage Networking Industry Association (SNIA), Draft SNIA CIFS Documentation Work Group Work-in-Progress, Revision Date: 3/26/2001		
		Fielding et al. (1999) Request for Comments (RFC) 2616, HTTP/1.1		
		Stager et al., Network Data Management Protocol, Network Working Group Internet Draft Version 1.7.3, October 24, 1996		
-				

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